



Volume Booster TS100 Series

- Fast response
- Adjustable response
- Soft seat sealing
- Simplified maintenance

Volume Booster TS100 Series

Description

Volume Booster TS100 is one-to-one Signal to output supply Air, when used with a positioner/actuator, it is a control device to increase the stroking speed of control valves.



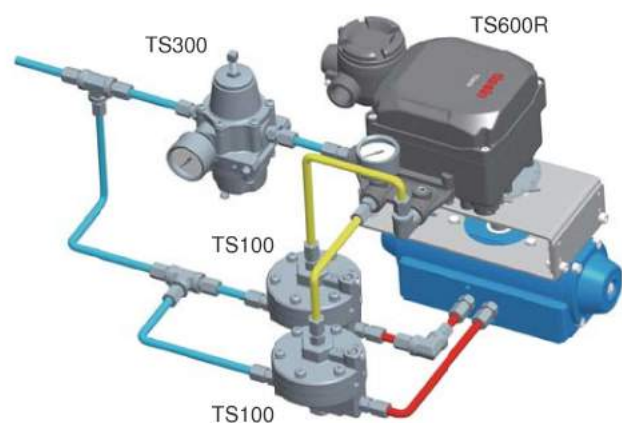
Features

- + Precise and fast response
- + Soft seats provide tight shut off
- + Adjustable Sensitivity
- + Options available (High and Low temperature)
- + Small size and light weight

Installation examples



Single actuator



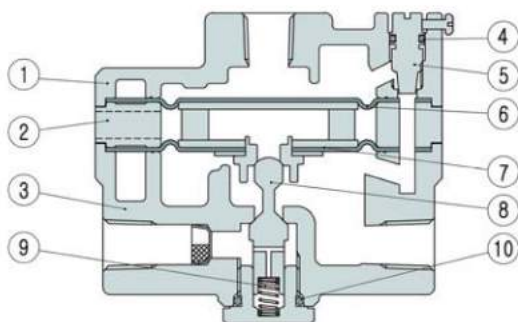
Double actuator

Volume Booster TS100 Series

Specifications

Model		TS100
Max supply pressure		1MPa
Signal and output pressure		0.4~0.7MPa
Signal to output ratio		1:1
Linearity		1%
Flow capacity (CV)	Exhaust	1.3
	Output	1.2
Signal port		NPT1/4, PT1/4
Supply / Output port		NPT1/4, PT1/4
Ambient temperature		-20°C ~70°C (Standard type)
Material		Aluminum die cast
Weight		0.55kg

Materials of construction



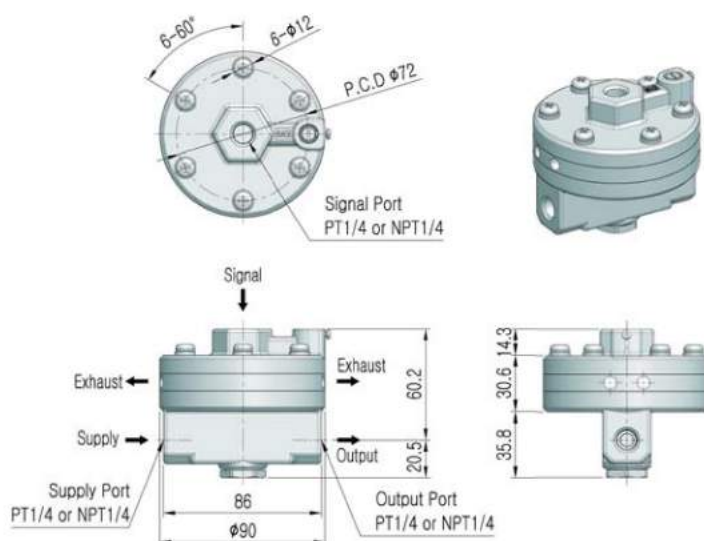
No.	Title	Material	No.	Title	Material
1	Cover	ALDC12	6	Diaphragm upper	NBR
2	Ring exhaust	ALDC12	7	Ass'y diaphragm	AL/NBR
3	Body	ALDC12	8	Poppet	STS
4	O-ring	NBR	9	Spring seat	STS
5	Adjust screw	STS	10	O-ring	NBR

Product number

Model		TS100		
Air connection	NPT1/4	N	P	S H L
	PT1/4			
Ambient temperature		-20°C~70°C		
		-20°C~120°C		
		-40°C~70°C		



Dimension [Unit:mm]





Solutions for control valve system

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